

CLAIMS

1. A wireless telephone node for providing telephony access between plural cordless telephone terminal units and the public switched telephone network, comprising:

5 a wireless transceiver adapted to communicate wireless telephony signals with a wireless telephone network;

a first processor adapted to convert wireless audio signals and wireless control signals from said wireless telephony signals;

a cordless transceiver adapted to communicate cordless telephone signals with the plural cordless telephone terminal units;

10 a second processor adapted to convert plural cordless audio signals and cordless control signals from said cordless telephone signals;

a switch coupled to connect said wireless audio signals and said plural cordless audio signals;

15 a controller coupled to cause said switch to connect any two of said wireless audio signals and said plural cordless audio signals in response to said wireless control signals or said cordless control signals;

a subscriber identity module interface adapted to accept subscriber identity modules having user wireless account identities and data stored therein coupled to said controller, and wherein

20 said controller is operable to transfer user account identity data from said subscriber identity module interface to said first processor for communications to the wireless telephone network.

2. The apparatus of Claim 1, further comprising:
plural subscriber identity module interfaces coupled to said controller for
accepting plural subscriber identity modules, and
a subscriber identity module actuator coupled to said controller for selecting
5 one of said plural subscriber identity modules interfaces from which to transfer user
account identity data.

3. The apparatus of Claim 2 wherein each of said plural subscriber identity
module interfaces corresponds to a unique word of cordless control signal data
corresponding to a particular one of the of the plural cordless telephone terminal
units.

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4. The apparatus of Claim 2 wherein one of said plural subscriber identity
modules interfaces is selected according to a unique word of cordless control signal
data received by said cordless transceiver.

5. A wireless telephone node system for providing telephony access between plural cordless telephone handsets and the public switched telephone network, comprising:

5 a wireless transceiver adapted to communicate wireless telephony signals with a wireless telephone network;

a first processor adapted to convert wireless audio signals and wireless control signals from said wireless telephony signals;

a cordless transceiver adapted to communicate cordless telephone signals with the plural cordless telephone handsets;

10 a second processor adapted to convert plural cordless audio signals and cordless control signals from said cordless telephone signals;

a first landline interface circuit adapted to communicate telephone signals via metallic connection to the public switched telephone network;

15 a third processor coupled to convert landline telephone signals to landline audio signals and landline control signals;

a switch coupled to connect said wireless audio signals, said plural cordless audio signals, and said landline audio signals;

20 a controller coupled to cause said switch to connect any pairs of said wireless audio signals, said plural cordless audio signals, and said landline audio signals in response to said wireless control signals, said cordless control signals, or said landline control signals.

6. The apparatus of Claim 5 further comprising:

a second landline interface circuit coupled to said third processor, and wherein said third processor outputs plural landline audio signals to said switch.

7. The apparatus of Claim 5 further comprising:

a line selection actuator coupled to said controller, and wherein

actuation of said line actuator selects either said wireless transceiver or said
landline interface circuit as an access resource to the public switched telephone
5 network.

8. The apparatus of Claim 5 wherein a word of cordless control signal data
causes said controller to select either said wireless transceiver or said landline
interface circuit as an access resource to the public switched telephone network.

9. A wireless telephone node system for providing telephony access between plural cordless telephone handsets and the public switched telephone network, comprising:

plural wireless transceiver adapted to communicate plural wireless telephony
5 signals with a wireless telephone network;

a first processor adapted to convert wireless audio signals and wireless control signals from each of said plural wireless telephony signals;

a first cordless transceiver adapted to communicate cordless telephone signals with the plural cordless telephone handsets;

10 a second processor adapted to convert plural cordless audio signals and cordless control signals from said cordless telephone signals;

a switch coupled to connect said plural wireless audio signals and said plural cordless audio signals;

15 a controller coupled to cause said switch to connect any pair of said plural wireless audio signals and said plural cordless audio signals in response to said plural wireless control signals or said cordless control signals.

10. The apparatus of Claim 9 further comprising:

a line selection actuator coupled to said controller, and wherein

actuation of said line actuator selects one of said plural wireless transceivers as an access resource to the public switched telephone network.

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11. The apparatus of Claim 9 wherein a word of cordless control signal data causes said controller to select one of said plural wireless transceivers as an access resource to the public switched telephone network.

12. The system of Claim 11 wherein said radio audio output is coupled to said switch, and wherein said controller is operable to cause said switch to connect said radio audio to said wireless transceiver or said cordless transceiver.